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(54) Title: AMINOGLYCOSIDE ANTIBIOTICS FOR USE AS VAP-I/SSAO INHIBITORS

(57) Abstract: The present invention concerns the use of a compound comprising one or more sugar moieties, which optionally are aminosubstitutes, and possibly other moieties, wherein said compound is a molecule comprising at least two aminosubstituents, said aminosubstituents being primary, secondary or tertiary amino groups, wherein said aminosubstituents are either attached to one single sugar moiety or attached to several sugar moieties or other moieties of the molecule, or to chains connecting two moieties or to chains being substituents to the molecule, for the manufacture of a pharmaceutical preparation useful as an agent capable of influencing an amine oxidase enzyme activity, more particularly inhibiting VAP-I/SSAO activity. The preferred compounds are aminoglycoside antibiotics, e.g., streptomycin, netilmicin, geneticin, gentamicin, puromycin, tobramycin and amikacin. The preferred conditions to be treated are inflammatory diseases or conditions, diseases related to carbohydrate metabolism, diseases related to aberrations in adipocyte differentiation or function or smooth muscle cell function, and vascular diseases.



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